

DET NORSKE VERITAS

Certificate No OSL-12-4378

PRODUCT CERTIFICATE

Manufacturer:		SKIPPE	R Electronics	s AS	
Manufacturer's order No.:		81548			
Purchaser:		RAYTHE	ON		
Purchaser's order No.:					
The product is intended for					
Yard:		(TBD)			
Yard No.:					
Name of vessel:		""			
DNV Id. No.:		P261.1C	;		
THIS IS TO CERTIFY:					
that the product:		Bottom Penetration for Echo Sounder, Sonar or Log			
Type designation: Intended purpose: Serial No(s):		ETNSJE The gate)-SA, SB- 8/ETNSLB-10	be used in conjunc	00-SB, tion with installation of
Has been built and tested in ac	cordance with the rele	vant requir	ements of:		
Serial No(s): Has been built and tested in accordance with the rel DNV Rules for Classification: ☐ Ships				○ Offshore	
	☐ Other standards:				
Remarks (if more than one line,	, use page 2):				
The product was marked: NV-O	SL-12-4378	(On: Gate Val v	/e	
This field is only to be filled in whe Manufacturing Survey Arrangeme The undersigned manufacturer de been built and tested in accordance stated above and the conditions of Manufacturing Survey Arra	ent (MSA). eclares that the product/syste ce with the specification/stance eferred to in angement No: R-1948	m has dard	This Cert surveyor	•	hen signed by a DNV
Quality System Certificate	No: TI 151 ISO 9001:	2008		For Det Nevels	. Varitas AC
For Manufacturer:				For Det Norsk e	e veritas AS
Place: Oslo			Place: H	øvik	
Date: 15.03.2012			Date: 20 °	12-05-02	
Anders	s Karlstad			Thomas R	Jacobsen
Product Technician			Senior Surveyor		

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Remarks: The valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage te 5 bar. Holding time 5 minutes.	t to
Marking and certificate numbers for the different parts:	
Drawings with dates of approval and/or type approval certificate number: DNV S-6000	

DET NORSKE VERITAS AS, Veritasveien 1, NO-1322 Høvik, Norway, Tel.: +47 67 57 99 00, Fax: +47 67 57 99 11, Org.No. NO 945 748 931 MVA www.dnv.com Form No.: 20.92a Issue: October 2010 Page 2 of 2